Form PTO-1449 (REV. 8-83)



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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ATTY. ET NO. CSDL1-453AX	SERIAL NO.	PT0
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INFORMATION DISCLOSURE CITATION

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Jonathan J. Bernstein		
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	*	5	2	3	7	5	2	9	08/17/93	Spitzer	365	158		
	*	5	2	4	1	2	3	5	08/31/93	Culp	310	328		
	*	5	2	6	5	4_	7	0	11/30/93	Kaiser et al.	73	178		
	*	5	2	7	7	0	6	7	01/11/94	Holland et al.	73	723		
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	*	5	3	1	4	5	7	2	05/24/94	Core et al.	156	643		
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE						<u></u>		D	ate:	May 18, 199	98	Page_1				II s	
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Kobayashi, Dai et al., "An Integrated Lateral Tunneling Unit," Micro Electro Mechanical Systems, pp. 214-219, February 4-7, 1992

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Grade, J., et al., "Progress in Tunnel Sensors," Solid State Sensor and Actuator Workshop, Hilton Head Island, South Carolina, pp. 80-85, June 2-6, 1996

EXAMINER

Carl E. Hall Primary Examinor DATE CONSIDERED

2/LY/99

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